

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



**(43) International Publication Date
9 September 2005 (09.09.2005)**

PCT

(10) International Publication Number
WO 2005/082671 A3

(51) International Patent Classification⁷: B60R 13/10

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

(21) International Application Number:

PCT/HR2004/000041

(22) International Filing Date: 26 October 2004 (26.10.2004)

English

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

(26) Publication Language: English

English

(30) Priority Data: P20040189A 26 February 2004 (26.02.2004) HR

Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant and

(72) Inventor: JOVANOVICH, Vladimir [HR/HR]; Naste Rojc 8, 51000 Rijeka (HR).

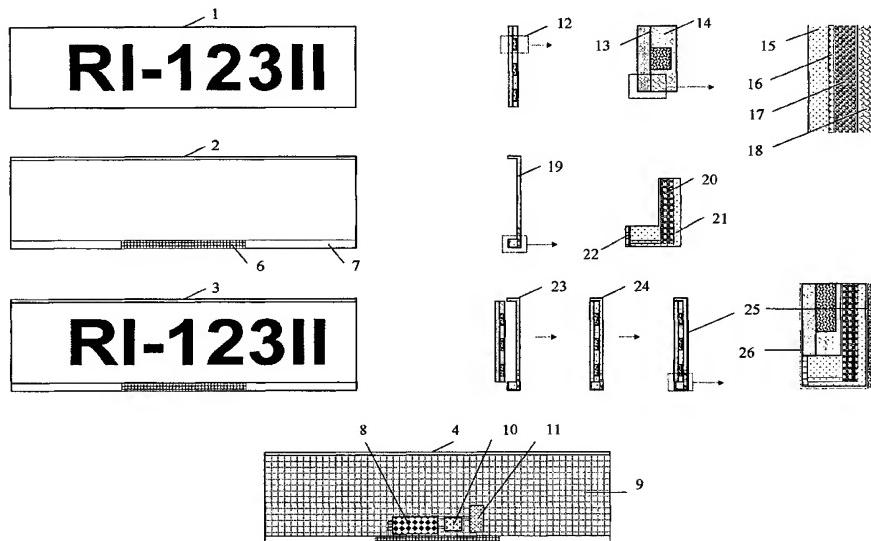
(74) Agent: TEHNOLOSKI CENTAR D.O.O.; Trg Viktora Bubnja 4, 51000 Rijeka (HR).

Published:

- with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: THE SYSTEM OF WIRELESS ELECTRONIC REGISTRATION PLATES



(57) Abstract: The system of wireless electronic registration plates (3) which is comprehended by the existance of the central wireless module (29) placed within the motor vehicle and connected on to an electric energy source, and the wireless electronic registration plates (30, 31), that are placed at the front and the rear sides of a motor vehicle, containing built-in satellite wireless module (11) is functioning on a principle of wireless micro network where the data transfer from a computer or other mobile device for data input (27, 28) is made through the central wireless module to the satellite wireless modules embedded into the registration plates. The wireless electronic registration plates have

its own source of electric energy from the solar cells (6) placed in the lower part of the solar housing (22), which are connected to a thin, film battery (8) implanted in to the solar housing of the registration plates. The registration data is displayed through the active display (1) that is embedded in the solar housing. The active display is made of two flexible parts, the front plane laminate i.e. electronic paper (13) which consist of the layer of electronic ink (17) and the plastic film on the surface (15) containing transparent conducting electrodes (16), and the back plane laminate (14) containing the electronic complex (9) and the control module (10) enabling regulation and control of the displayed information. In the electronic complex there is a wireless (Bluetooth) module (11) for wireless communication and data transfer. The wireless electronic registration plates are laminated with highly resistant and protective plastic (26) and on the back side of the registration plates there is an acrylic, double sided, epoxy gluing tape (25) that enables for direct affixing of the registration plates on to a vehicle body, bumpers or the registration plate holders.



(88) Date of publication of the international search report:
24 November 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.